

BALDOR® • RELIANCE

Product Information Packet

RSP2451A

.33HP,1725RPM,1PH,60HZ,56,3412S,OPEN,F1

Part Detail							
Revision:	A	Status:	PRD/A	Change #:		Proprietary:	No
Type:	AC	Prod. Type:	3412S	Elec. Spec:	34WGR055	CD Diagram:	CD0763
Enclosure:	OPEN	Mfg Plant:		Mech. Spec:	34M247	Layout:	34LYM247
Frame:	56	Mounting:	F1	Poles:	04	Created Date:	07-30-2013
Base:	RS	Rotation:	RS	Insulation:	B	Eff. Date:	12-03-2013
Leads:	5#18					Replaced By:	
Literature:		Elec. Diagram:					

Nameplate NP1257L										
CAT.NO.										
SPEC.	34M247R055G1									
HP	.33									
VOLTS	115									
AMP	5.7									
RPM	1725									
FRAME	56	HZ			60	PH		1		
SER.F.	1.25	CODE			P	DES		-	CL	B
NEMA-NOM-EFF	57.5	PF			64					
RATING	40C AMB-CONT									
CC		USABLE AT 208V								
DE	6203	ODE			6203					
ENCL	OPEN	SN								
	SFA 6.2									

Parts List		
Part Number	Description	Quantity
SA266849	SA 34M247R055G1	1.000 EA
RA253534	RA 34M247R055G1	1.000 EA
11XT0832G06	8-32 X 3/8 TY 23 TAPPING	1.000 EA
LD5000A52	LEAD ASSY W/INTERNAL STAR RING TERMINALS	1.000 EA
11XT1032A06	10-32 X 3/8 HX WSHR HD SLTD TYPE 23	2.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	3.000 EA
34EP3202A01SP	FR ENDPLATE, MACH	1.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
WD4100A01	DP-875 HEYCO PLUG OR 62MP0875 MICRO PLAS	1.000 EA
HW5100A03SP	WAVY WASHER (W1543-017)	1.000 EA
34EP3203A01	PU ENDPLATE, MACH	1.000 EA
RM1000A03SP	CUSHION RING, MDL 17-33-34	1.000 EA
HA6004A01A	CLAMP CUSHION RING ASSY	1.000 EA
XY1032A02	10-32 HEX NUT DIRECTIONAL SERRATION	4.000 EA
34CB4501SP	TERMINAL BOX LID, STAMPED X (PLATED)	1.000 EA
51XW0832A07	8-32 X .44, TAPTITE II, HEX WSHR SLTD SE	2.000 EA
HW2501D13SP	KEY, 3/16 SQ X 1.375	1.000 EA
HA7000A04	KEY RETAINER 0.625 DIA SHAFTS	1.000 EA
10XF0440S02	04-40 X 1/8 TYPE F HEX HD STAINLESS STIC	2.000 EA
WD1000A16	2-520128-2 AMP FLAG TERMINAL(4M/RL)	5.000 EA
34BA4003A01SP	RESILIENT BASE, (LENGTH 8.22")	1.000 EA
HA3100A12	THRUBOLT 10-32 X 7.375	4.000 EA
SP5068A05	34 TERM PANEL SWITCH W/ 8-RED LEAD	1.000 EA

Parts List (continued)		
Part Number	Description	Quantity
LB1118	LABEL,WARNING (ROLL LABEL)	1.000 EA
LB1172A01	CUSTOM MTR CARTON LABEL LASER PRINTER	1.000 EA
LB1506	LABEL "AMERICAN MADE" 1.50 X 1.00	1.000 EA
LC0085	CONNECTION LABEL	1.000 EA
MN416A01	TAG-INSTAL-MAINT no wire (1200/bx) 10/13	1.000 EA
NP1257L	ALUM UL CSA CC THERMAL REV MTG	1.000 EA
PA1000	PACKING GROUP 3500 SHORT	1.000 EA

AC Induction Motor Performance Data

Record # 42888 - Typical performance - not guaranteed values

Winding: 34WGR055-R001	Type: 3412S	Enclosure: OPEN
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Nameplate Data				115 V, 60 Hz: Single Voltage Motor	
Rated Output (HP)	.33			Full Load Torque	1.01 LB-FT
Volts	115			Start Configuration	direct on line
Full Load Amps	5.7			Breakdown Torque	2.47 LB-FT
R.P.M.	1725			Pull-up Torque	0.717 LB-FT
Hz	60	Phase	1	Locked-rotor Torque	1.82 LB-FT
NEMA Design Code	-	KVA Code	P	Starting Current	37.7 A
Service Factor (S.F.)	1.25			No-load Current	4.7 A
NEMA Nom. Eff.	57.5	Power Factor	64	Line-line Res. @ 25°C	2.1437 Ω A Ph 4.5177 Ω B Ph
Rating - Duty	40C AMB-CONT			Temp. Rise @ Rated Load	61°C
S.F. Amps	6.2			Temp. Rise @ S.F. Load	72°C

Load Characteristics 115 V, 60 Hz, 0.33 HP

% of Rated Load	25	50	75	100	125	150	S.F.
Power Factor	34	46	56	64	71	76	71
Efficiency	33.8	48.5	55.5	59.8	60.8	60.2	60.8
Speed	1783	1768.3	1754.9	1738.5	1719.6	1695.9	1720
Line amperes	4.72	4.89	5.21	5.65	6.23	6.97	6.23

Performance Graph at 115V, 60Hz, 0.33HP Typical performance - Not guaranteed values





